

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 77-28

WASTE DISCHARGE REQUIREMENTS FOR:

GRAY TRUCK COMPANY
ON-SITE SLUDGE DISPOSAL
NEWARK, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Gray Truck Company, hereinafter called the discharger, submitted a report of waste discharge dated August 8, 1975. The discharger also provided further information on waste disposal by letter dated June 7, 1976.
2. The discharger is currently discharging 200 gallons per day (with a potential of 2000 gallons per day) of Group 2 and 3 wastes and certain Group 1 wastes to solar evaporation ponds located on-site at their truck-trailer washdown and storage facilities. These facilities, as shown on Attachment "A" are located at 6655 Smith Avenue, Newark, and are immediately adjacent to the Alameda County Flood Control and Water Conservation District's Zone 5, Line B, storm drain channel. This storm drain channel discharges to Mowry Slough and thence to San Francisco Bay, waters of the United States.
3. The site is underlain predominately by silt, clay, and fine sand with low permeability. Shallow groundwaters of brackish nature sometimes exist within ten feet of the ground surface. Confined, useable, and reclaimed aquifers lie below the shallow groundwater aquifer. These are effectively protected by the overlaying impervious silt and clayey strata. Reclamation by the Alameda County Water District is proposed or underway to make all groundwaters useable in the area.
4. The discharger's wastes result from washing of ~~tank~~-trailers used for hauling solvent and latex solvent base for adhesives and paint prior to pigmentation. Due to the variability of the delivery schedules, the inside of the tank trucks is required to be washed with a caustic cleaner after each delivery. The wastes from this process is treated with ferric chloride and a polymer, decanted for make-up wash water, and the neutralized sludge is discharged to the two previously mentioned on-site solar evaporation ponds for dewatering. Periodically, the dried sludge will be removed with a backhoe and hauled to a Class I disposal site.

5. The Board in April 1975 adopted a Water Quality Control Plan for the San Francisco Bay Basin and this Order implements the water quality objectives stated in the Basin Plan.
6. Groundwaters in the area are used or potentially could be used for:
 - a) irrigation
 - b) industrial supply
 - c) domestic purposes
7. The land-use within 1000 feet of the site is used for various industrial purposes.
8. Upon meeting the requirements of this Order this disposal site will meet the criteria contained in the California Administrative Code, Title 23, Chapter 3, Subchapter 15, for classification as Class II-1 disposal site suitable to receive only sludges from the discharger's waste treatment plant.
9. **This project meets the criteria for a class 2 exemption pursuant to Section 15102 of the California Administrative Code (State EIR Guidelines).**
10. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this (proposed) discharge.
11. The Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Gray Truck Company, and any other entity that operates this site, shall comply with the following:

A. Discharge Prohibitions

1. Discharge of process wastes, process wastewater, or ponded water of any type in the evaporation ponds to waters or groundwaters of the State is prohibited.

B. Waste Disposal Specifications

1. The disposal of waste shall not cause pollution or a nuisance.
2. No Group 1 or Group 2 wastes except sludge from the discharger's waste treatment plant shall be deposited at this site.
3. Waste material shall be confined to the two designated solar evaporation ponds shown on Attachment "A". The waste shall not be disposed of at any place where it can be carried from the disposal site and discharged into waters of the State. The ponds shall be maintained with a two foot freeboard at all times.

4. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
5. All waste material shall be removed to an approved Class I or II-1 disposal site prior to discontinuing use of the solar evaporation ponds.

C. Leachate and Drainage Specifications

1. The disposal area(s) shall be protected from any washout or erosion and from inundation, which could occur as a result of tides or floods having a predicted frequency of once in 100 years.
2. The disposal ponds shall be hydraulically sealed by the presence of a natural clay barrier of at least three feet in thickness and a permeability of 10^{-6} cm/sec or less on the bottom and sides. If such a natural condition does not exist, an artificial barrier shall be constructed to meet the above specifications as a minimum.
3. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources shall not contact or percolate through the waste material during disposal operation and for the active life of the site.

D. Provisions

1. Neither the treatment nor the discharge of pollutants shall create a nuisance as defined in the California Water Code.
2. The discharger shall comply with the following time schedule to assure compliance with Sections A, B, C, and D of this Order:

<u>Task</u>	<u>Completion Date</u>	<u>Report of Compliance Due</u>
a. Submit conceptual plan for pond modifications or program to document that the existing facilities are in compliance.	June 1, 1977	June 15, 1977
b. Submit a preventive (fail safe), contingency (cleanup) and continuous operations report pursuant to Board Resolution 74-10.		July 15, 1977
c. Submit an engineering report documenting full compliance with this Order.	Aug. 1, 1977	Aug. 15, 1977

The discharger shall submit a report to the Board on or before each compliance report date, detailing his compliance or non-compliance with the specific schedule date and task. If non-compliance is being reported, the reasons for such noncompliance shall be stated, plus an estimate of the date when the discharger will be in compliance. The discharger shall notify the Board by letter when he has returned to compliance with the time schedule.

3. This Order includes items 1, 3, 5, 6, and 7 of the attached "Reporting Requirements" dated August 8, 1973.
4. This Order includes items 1, 2, 4, 5, 6, 7, 8, 9, and 10 of the attached "Standard Provisions" dated November 20, 1974.
5. The discharger shall submit to the Executive Officer a contingency plan for the continuous operation of facilities for the collection, treatment and disposal of waste pursuant to Regional Board Resolution 74-10.
6. Ninety (90) days prior to discontinuing the use of this site for waste disposal the discharger shall submit a technical report to the Board describing the methods and controls to be used to assure protection of the quality of surface and groundwaters of the area during final operations and with any proposed subsequent use of the land. This report shall be prepared by or under the supervision of a registered engineer or a certified engineering geologist. The method used to close the site and maintain protection of the quality of surface and groundwater shall comply with waste discharge requirements established by the Regional Board.
7. This Board considers the property owner to have a continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge and water applied to this property during the subsequent use of the land for other purposes.
8. The discharger shall maintain a copy of this Order at the site so as to be available at all times to site operating personnel.
9. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by a letter, a copy of which shall be forwarded to this Board.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on April 19, 1977.

FRED H. DIERKER
Executive Officer

Attachments:

Attachment A
Reporting Requirements 8/8/73
Standard Provisions 11/20/74
Resolution No. 74-10
Self-Monitoring Program

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

RESOLUTION NO. 74-10

POLICY REGARDING WASTE DISCHARGERS RESPONSIBILITIES TO DEVELOP
AND IMPLEMENT CONTINGENCY PLANS TO ASSURE CONTINUOUS OPERATION OF
FACILITIES FOR THE COLLECTION, TREATMENT AND DISPOSAL OF WASTE

WHEREAS, this Regional Board has adopted policies and requirements stating its intent to protect the beneficial water uses within the San Francisco Bay Region and prohibiting the discharge of untreated or inadequately treated wastes; and

WHEREAS, conditions including process failure, power outage, employee strikes, physical damage caused by earthquakes, fires, vandalism, equipment and sewer line failures, and strikes by suppliers of chemicals, etc. or maintenance services can result in the discharge of untreated or inadequately treated wastes; and

WHEREAS, the development and implementation of contingency plans for the operation of waste collection, treatment and disposal facilities under such conditions should insure that facilities remain in, or are rapidly returned to, operation in the event of such an incident and measures are taken to clean up the effects of untreated or inadequately treated wastes.

NOW, THEREFORE BE IT RESOLVED, that this Regional Board will require each discharger as a provision of its NPDES Permit to submit within 120 days after the adoption of the permit a contingency plan acceptable to the Regional Board's Executive Officer to include at least the following:

- A. Provision of personnel for continued operation and maintenance of sewerage facilities during employee strikes or strikes against contractors providing services.
- B. Maintenance of adequate chemicals or other supplies and spare parts necessary for continued operation of sewerage facilities.
- C. Provisions of emergency standby power.
- D. Protection against vandalism.
- E. Expeditionary action to repair failures of or damage to equipment and sewer lines.
- F. Report of spills and discharges of untreated or inadequately treated wastes including measures taken to clean up the effects of such discharges.
- G. Programs for maintenance replacement and surveillance of physical condition of equipment, facilities and sewer lines.

SOLAR EVAP.
POND

U.S.D.
MAN HOLE
OVER FLOW
STRUCTURE
(PLUGGED)

2" PVC SLUDGE LINE

WASH
BLOC.

ASPHALT
PAVED

OFFICE

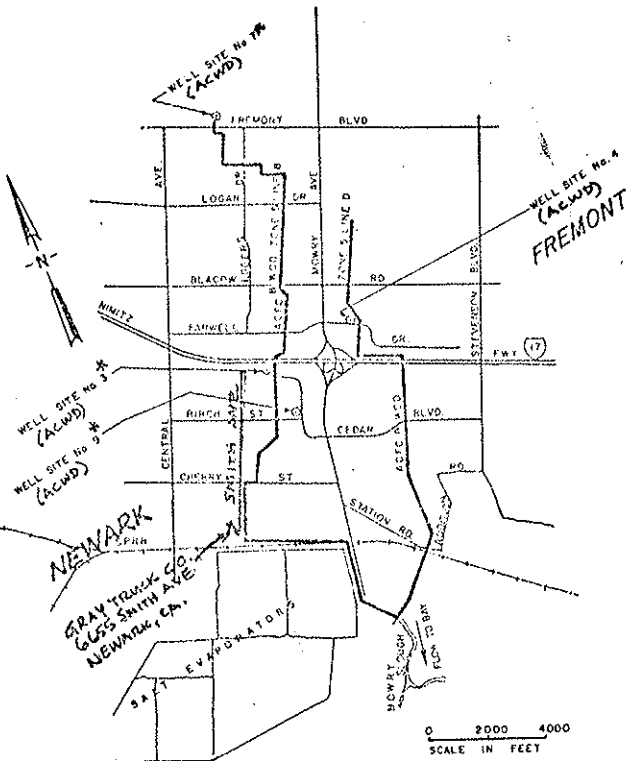
PARKING AREA

CHAIN LINK FENCE

SITE PLAN
(NO SCALE)

SMITH AVENUE

CHERRY ST. 1500'



LOCATION MAP

ATTACHMENT "A"

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

GRAY TRUCK COMPANY
DISPOSAL SITE
NEWARK, ALAMEDA COUNTY
ORDER 77-28

DRAWN BY: GIM DATE: 6/76 DRWG. NO.

2199.9183

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Gray Truck Company

On-Site Sludge Disposal Site

Newark, Alameda County

ORDER NO. 77-28

CONSISTS OF

PART A, dated 7/74

AND

PART B

PART B

DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSES AND OBSERVATIONS

I. DESCRIPTION OF SAMPLING STATIONS

<u>Station</u>	<u>Description</u>
0-1 thru 0-'n'	Located at the corners of each pond.
G-1	A groundwater monitoring well located on the north-easterly side of the ponds with a depth of at least 20 feet.
G-2	A groundwater monitoring well located on the westerly side of the ponds with a depth of at least 20 feet.

A. Wells shall be constructed in conformance with Department of Water Resources and Alameda Co. Health Department specifications. A well drilling log shall be submitted for each sampling well established per this monitoring program. The wells shall be perforated and have a minimum diameter of four inches.

B. Monitoring wells shall have sufficient depth to determine the level of subsurface water nearest to the ground surface.

II. SCHEDULE OF SAMPLING AND ANALYSIS

<u>Station</u>	<u>Type of Sample and Frequency</u>	<u>Analyses</u>	<u>Units</u>
0-1 thru 0-'n'	Observation, monthly	All applicable std. observations	-
G-1 & G-2	Grab sample annually in March (1977 analysis shall be per- formed no later than July)	water level cadmium chromium copper lead zinc mercury	feet mg/l mg/l mg/l mg/l mg/l mg/l

A. Wells shall be pumped for a minimum of one minute before collecting sample.

III. MISCELLANEOUS REPORTING

1. Whenever the sludge is removed from the ponds and taken to a Class I ~~or II-I~~ disposal site, the following reports will be submitted to the Regional Board with the next monthly Self-Monitoring Report:
 - a. After cleanout and prior to refilling the ponds, photographs shall be taken adequate to show the condition of the ponds and the maintenance and integrity of any liner.
 - b. A copy of the State liquid waste hauling report properly completed to include disposal site.

IV. MODIFICATION OF PART "A" DATED 7/74

- A. Exclusions: Paragraph E.2, E.4.
- B. Modification: Paragraph F.3.e delete EPA submittal, submit original to Regional Board.

I, Fred H. Dierker, Executive Officer, do hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in the Regional Board Order No. 77-28.
2. Has been ordered in writing by the Executive Officer on April 1, 1977 and becomes effective immediately.
3. May be reviewed at any time subsequent to the effective date upon written notice from either the Executive Officer or the discharger, and will be revised upon written agreement of the Executive Officer and the discharger.

FRED H. DIERKER
Executive Officer

Date ordered April 19, 1977